



SPYWOLF

Security Audit Report



Completed on
April 9, 2023

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OVERVIEW

This audit has been prepared for **Flap Turtle** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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FLAP TURTLE



PROJECT DESCRIPTION

According to their whitepaper:

FLAP TURTLE is a promising new gamefi project, with a combination of traditional games and blockchain technology, creating a new experience for the gaming community. The project is built on the blockchain platform and uses its own token \$ FTURTLE.

Release Date: Presale starts in April 11th, 2023

Category: Meme token



CONTRACT INFO

Token Name
FLAP TURTLE

Symbol
FTURTLE

Contract Address

0x35FD891e0f515261eF2a43cb1640386185b073E0

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Apr 08, 2023

Verified?

Yes

Total Supply

1,000,000,000

Status

Not launched

TAXES

Buy Tax
10%

Sell Tax
10%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	1000000000 FTURTLE
Median Transfer Amount	1000000000 FTURTLE
Average Transfer Amount	1000000000 FTURTLE
First transfer date	2023-04-08
Last transfer date	2023-04-08
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2023-04-08 17:56:56 UTC
Created	2023-04-08 17:56:56 UTC
Create TX	0x0b3f3bb397d8f10475273e1fb4a7c3b2b1c3823ff10cfd87206d6e82c2a183b4
Creator	0xf35abbd1bb078262ae5138adda3c71162d64a709



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

Medium Risk

Owner can set buy/sell fees up to 20%.

Combined buy+sell = 40%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make.

Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

Tokens destined for taxes remain in the liquidity pair.

```
function setFees(uint256 buyFee, uint256 sellFee) external onlyOwner() {  
    require(buyFee <= 20, "Maximum tax is 20 percent");  
    require(sellFee <= 20, "Maximum tax is 20 percent");  
    _buyTax = buyFee;  
    _sellTax = sellFee;  
}
```

Note:

Tokens deducted from taxes are burned from the sender. When someone buys for example 1% of total supply in the beginning, after some period of time it can have significantly more than 1% of total supply,

- Recommendation:
 - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.

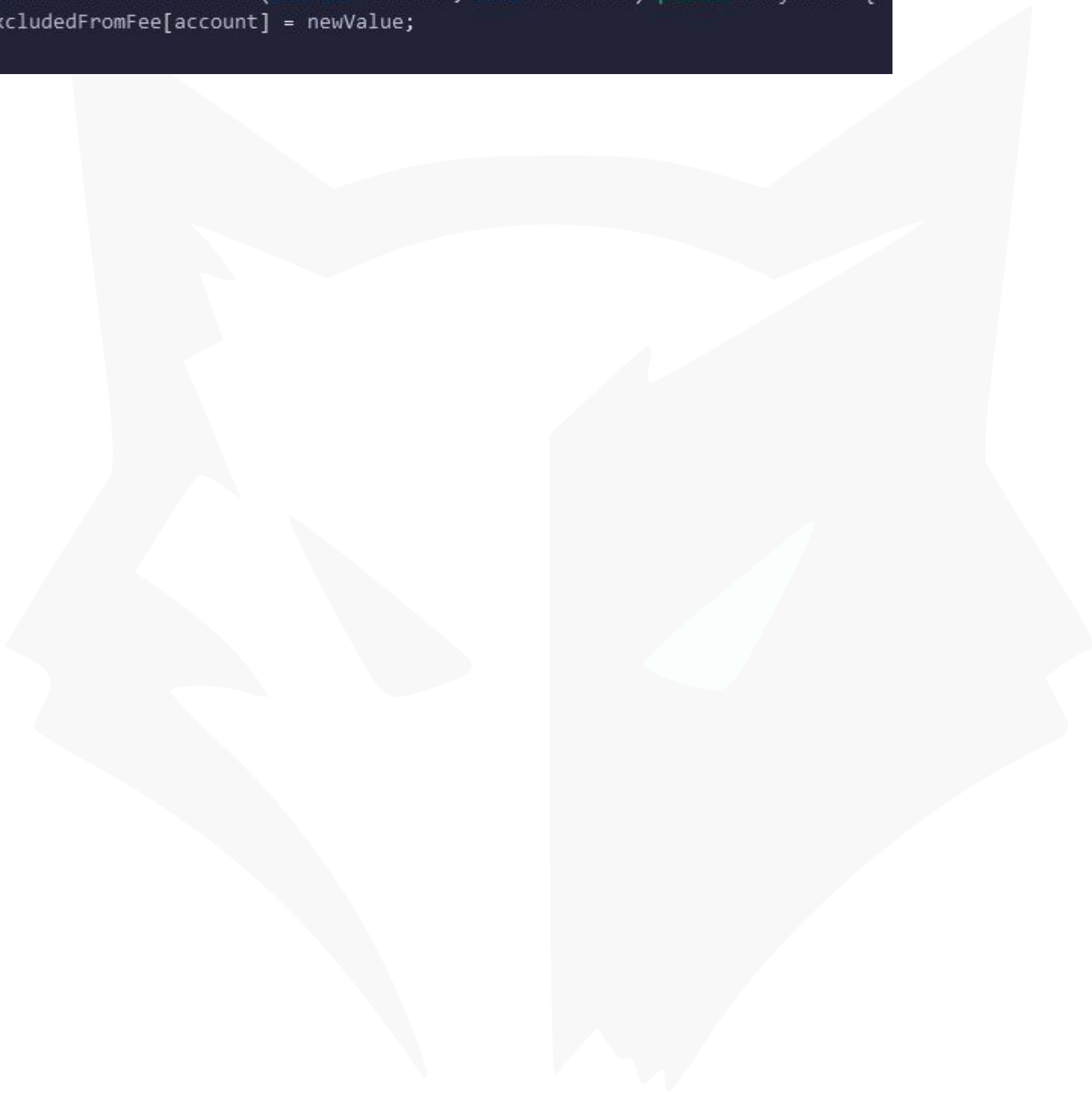


Informational

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function setIsExcludedFromFee(address account, bool newValue) public onlyOwner {  
    isExcludedFromFee[account] = newValue;  
}
```





RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

FLAP TURTLE

GOOD PRACTICES FOUND

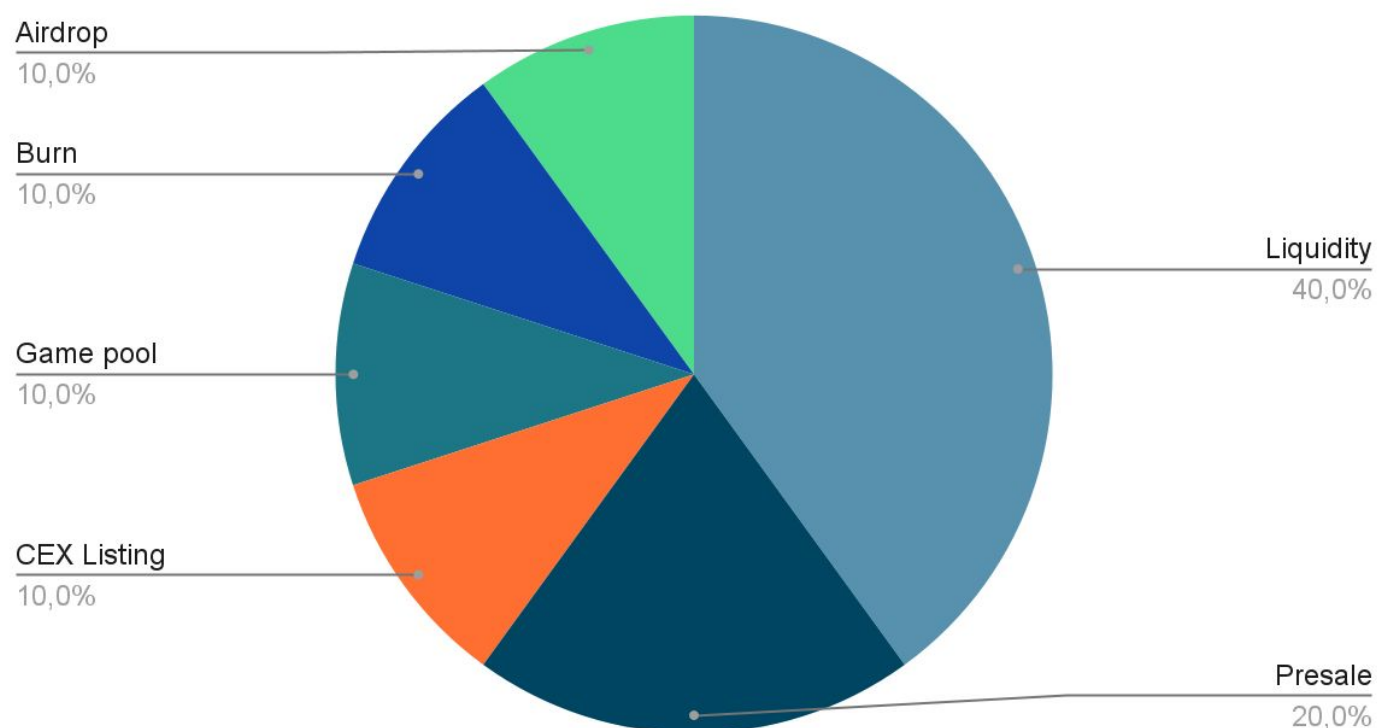
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



The following tokenomics are based on the project's whitepaper and/or website:

- 20% - Presale
- 40% - Liquidity
- 10% - CEX Listing
- 10% - Game Pool
- 10% - Airdrop
- 10% - Burn

Tokens distribution



TOKENOMICS



THE TEAM

! The team is anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://flapturtle.com/>

Domain Registry

<https://www.namecheap.com>

Domain Expiration

Expires on 2024-04-06

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Very nice design with appropriate color scheme and graphics.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

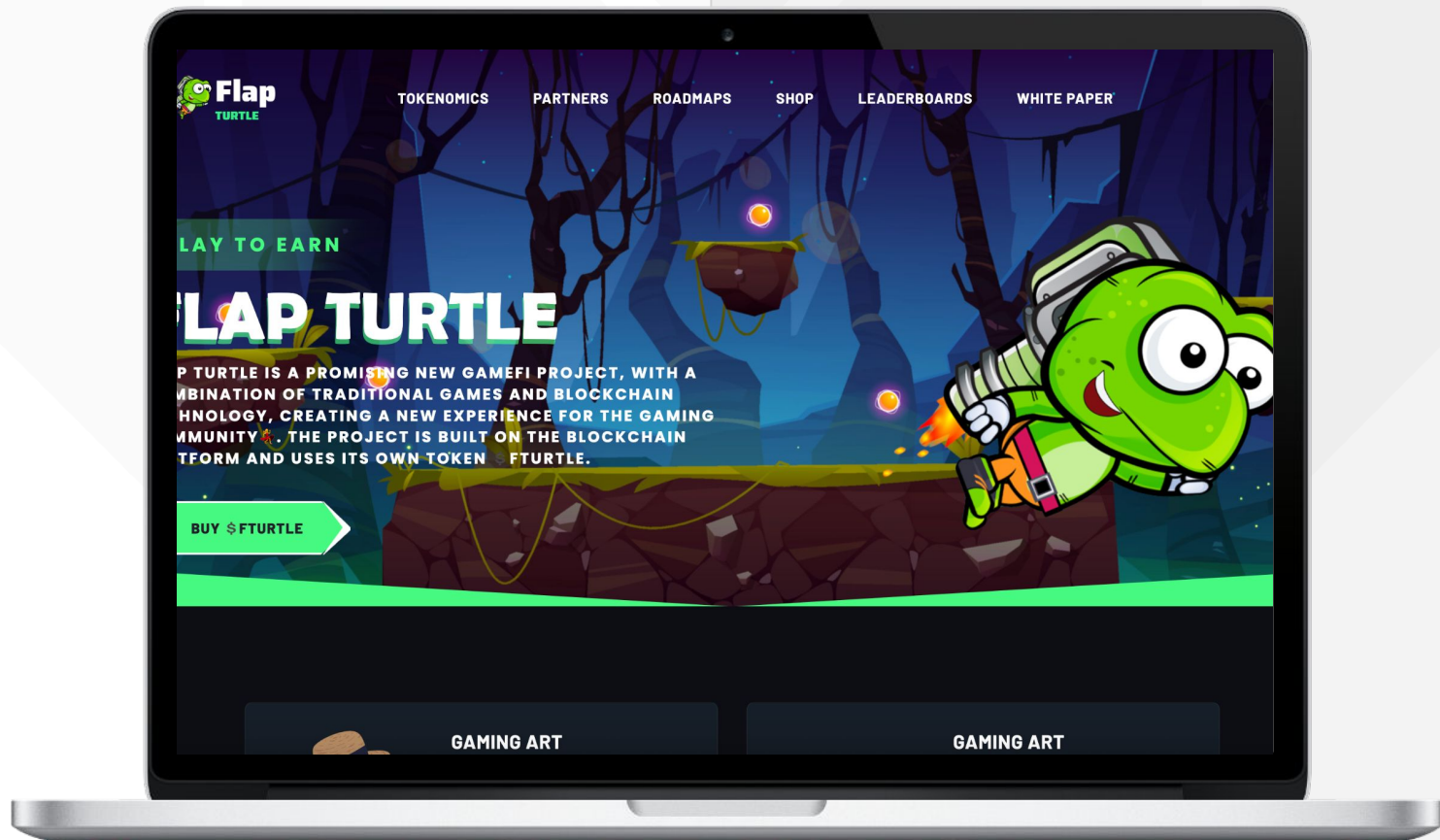
No

Roadmap

Yes, goals set without time frames.

Mobile-friendly?

Yes



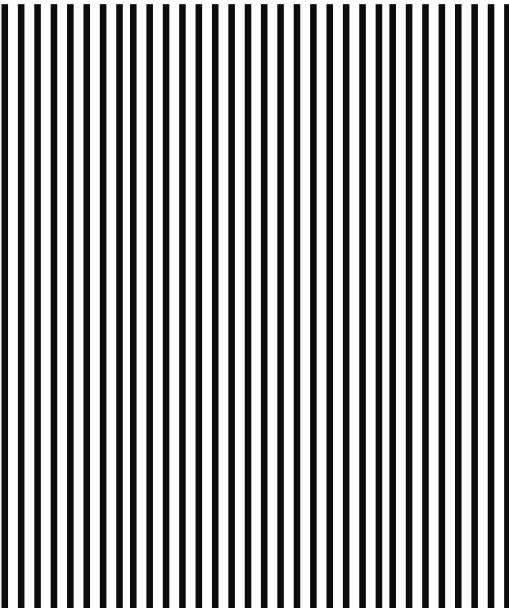
flapturtle.com



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS
Project’s social media channels are active.



Twitter
@FlapTurtle

- 947 followers
- Posts frequently
- Active since April 5th



Discord

- Not available



Telegram
@FlapTurtleChannel

- 955 members
- Announcement channel
- 7 total announcements
- Active since April 5th



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.